

10/674,759

an identification of a user of the device; privileges (also referred to conversely as limitations) and/or preferences of the user; the location, device type, and/or device capabilities of the user's device; and the current time. --

SW 12/12/82 Please replace the paragraph that begins on Page 16, line 9 and carries over to Page 17, line 4 with the following marked-up replacement paragraph:

-- Tabular representations of sample information are used herein merely for purposes of illustration, and these representations should not be construed as limiting the present invention. A number of different types of data structures may be used as alternatives to tables, such as lists, linked lists, arrays or tuples of information, and so forth. The information represented in Fig. 2, for example, might be persisted using tuples of two forms. In a first form, a tuple such as "(componentA, deviceType, networkTraffic)" may be used to record the information shown at reference numbers 210 and 220 of Fig. 2. In this tuple, the content identifier is specified first, followed by an identifier of each condition that affects the version selection for that content. In a second form, a set of tuples may be used to represent the information stored in the cells of table 200. For example, cell 231 might be specified in tuple form as [(["PDA"]) ("PDA, lightTraffic, compA-PDA-light") compA-PDA-light)] and cell 241 might be specified as (cellPhone ("cellPhone, mediumTraffic, compA-cell-med") compA-cell-med). In other words, some number of condition values (corresponding to the conditions identified for this content in a tuple of the "first form") may be specified first, and following those values, an identification of the version corresponding to those values is then specified. In the first of these example tuples, the value [(["PDA"]) ("PDA, lightTraffic, compA-PDA-light") compA-PDA-light] indicates that

when the end-user device type is represented with the value "PDA" and network traffic is represented with the value "lightTraffic", then the name of the content version to be selected is "compA-PDA-light". --

⁵⁰₁₁₁₁₀₇ Please replace the paragraph on Page 21, lines ¹⁻¹⁰~~4-13~~ with the following marked-up replacement paragraph:

-- Fig. 6 provides a sample table 600 with information about each Web page that has selectable page-level versions. A data structure of this type may be used advantageously by an implementation of the present invention to identify one or more conditions that influence the selection of a version of a particular Web page. In this example, a first column 610 is used to specify a Web page identifier, and a second column 620 specifies identifiers of the condition(s) associated with each Web page. Selection of content versions forming Web pages identified as "PageA.html" 630, "PageB.html" 640, and "PageC.html" 650 is represented as being influenced by available bandwidth (for "PageA.html"), available bandwidth and also the number of active users (for ~~"PageB.html"~~ "PageB.html"), and the average round trip response time (for "PageC.html"). This information may be used in selection logic such as that described below with reference to Fig. 8. --

Amendments to the Specification

Please replace the paragraph on Page 1, lines 4 - 9 with the following marked-up replacement paragraph:

-- The present invention is related to commonly-assigned, co-pending U. S. Patent Applications 10/674,769 (now U. S. Patent 7,308,649), titled "Providing Scalable, Alternative Component-Level Views", and 10/675,418, titled "Client-Side Processing of Alternative Component-Level Views". These related applications (referred to herein as "the first related invention" and "the second related invention", respectively) were filed concurrently herewith and are hereby incorporated herein by reference. --

⁵²_{12/10} Please replace the paragraph that begins on Page 12, line ¹⁴~~16~~ and carries over to Page 13, line 2 with the following marked-up replacement paragraph:

-- Preferred embodiments of the present invention may optionally be used in combination with either or both of the first and second related inventions. Preferred embodiments of these related inventions leverage information specified using an "ALTlet" construct, which is a syntax element that may be encoded in a markup language or scripting language. The markup language may be HTML or another markup language such as Extensible Markup Language ("XML"), Wireless Markup Language ("WML"), Extensible Hypertext Markup Language ("XHTML"), and so forth. The scripting language may be, by way of illustration, the JavaScript® language. ("JavaScript" is a registered trademark of Sun Microsystems, Inc. in the United States, other countries, or both.) --

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12/12/02 Please replace the paragraph on Page 17, lines ³⁻⁹~~5-12~~ with the following marked-up replacement paragraph:

-- When the selectable versions represent different media types, then the versions may be (for example) a textual content version when the system exceeds one threshold indicating severe congestion or processing load, a static image when that threshold is not reached but another threshold indicating some lower level ~~[[or]]~~ of congestion or system load is reached, and a moving image if neither of these thresholds is reached (e.g., because the congestion or loading is relatively minimal). Refer to the discussion of Figs. 4 and 8, below, for more information on how current conditions are evaluated and how those evaluations result in selecting different content versions. -

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12/12/02 Please replace the paragraph that begins on Page 21, line ¹¹~~14~~ and carries over to Page 22, line ⁴~~8~~ with the following marked-up replacement paragraph:

-- Fig. 7 illustrates a directory structure that may be used with the sample table in Fig. 6 in order to provide dynamic selection of page-level content versions. Different content versions that are to be selected under different conditions may be stored in different paths (i.e., different sub-directories) within this directory structure. Suppose, for example, that "PageA.html" is the URL for a current news story and that the content designer has specified that a version of this Web page is to be selected according to the currently-available bandwidth (as indicated in row 630 of Fig. 6). If a high-bandwidth connection to the requester is available, for example, then the document returned to this requester might contain a live video feed provided as an "mpeg" file. Accordingly, the "livenews.mpeg" content 711, stored within "MPEG" directory 710, may be

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selected. Or, if a medium-bandwidth connection is available, then the content to be returned may comprise a series of descriptive pictures that may be viewed sequentially, as a type of slide show. In this case, the "jpeg" image files 721, 722, 723 stored in "JPEG" directory 720 may be selected. On the other hand, if only a low-bandwidth connection is available, a description of the news story, such as the file "description.txt" 731, which is stored in directory "TEXT" 730, might be selected. --

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9-14
Please replace the paragraph on Page 29, lines 14 - 19 with the following marked-up replacement paragraph:

-- Techniques disclosed herein may be leveraged to autonomically tune performance of a system/network, as has been discussed. When a network is congested, for example, this information can be used in condition ~~conditions~~-values to dynamically select a less-rich and therefore smaller content version, enabling a response message containing that content version to be transmitted across the network with a lessened impact (as compared to transmitting a larger version) on the existing congestion problem. --